

CLAIMS

What is claimed is:

1 1. A method comprising:

2 Sending a query; and

3 Receiving a response including a set of records of available services, each

4 record of the set including a service name and a service virtual communication port.

1 2. The method of claim 1 further comprising:

2 Connecting to each service for which a record exists in the set of records.

1 3. The method of claim 1 wherein:

2 The query is sent utilizing a Bluetooth protocol SDP request and the response is  
3 received in the form of an SDP response.

1 4. The method of claim 1 further comprising:

2 Connecting to a first service for which a record exists in the set of records

3 utilizing the service name of the first service to initiate connection.

1 5. The method of claim 1 further comprising:

2 Connecting to a second service for which a record exists in the set of records

3 utilizing the service name of the second service to initiate connection.

1           6. The method of claim 5 wherein:

2           The query is sent utilizing a Bluetooth protocol SDP request and the response is  
3 received in the form of an SDP response.

1           7. An apparatus comprising:

2           means for sending a query; and

3           means for receiving a response including a set of records of available services,  
4 each record of the set including a service name and a service virtual communication  
5 port.

1           8. The apparatus of claim 7 wherein:

2           the means for sending a query utilizes a Bluetooth protocol SDP request as the  
3 query; and

4           the means for receiving a response is configured to receive a Bluetooth protocol  
5 SDP response.

1           9. The apparatus of claim 8 further comprising:

2           means for connecting to each service for which a record exists in the set of  
3 records.

1           10. A system comprising:  
2           a processor;  
3           a control hub coupled to the processor;  
4           an I/O interface coupled to the control hub;  
5           wherein: the processor, control hub, and I/O interface are collectively configured  
6   to:  
7           Send a query; and  
8           Receive a response including a set of records of available services, each record  
9   of the set including a service name and a service virtual communication port.

1           11. The system of claim 10 wherein:  
2           the I/O interface includes a Bluetooth interface.

1           12. The system of claim 11 wherein:  
2           the processor, control hub, and I/O interface are further configured to:  
3           Connect to each service for which a record exists in the set of records.

1           13. A machine-readable medium embodying instructions, the instructions, when  
2   executed by a processor, causing the processor to perform a method, the method  
3   comprising:  
4           Sending a query; and

5 Receiving a response including a set of records of available services, each  
6 record of the set including a service name and a service virtual communication port.

1 14. The machine-readable medium of claim 13 further embodying instructions,  
2 the instructions, when executed by a processor, causing the processor to perform a  
3 method wherein:

4 The query is sent utilizing a Bluetooth protocol SDP request and the response is  
5 received in the form of an SDP response.

1 15. The machine-readable medium of claim 14 further embodying instructions,  
2 the instructions, when executed by a processor, causing the processor to perform a  
3 method further comprising:

4 Connecting to a first service for which a record exists in the set of records  
5 utilizing the service name of the first service to initiate connection; and

6 Connecting to a second service for which a record exists in the set of records  
7 utilizing the service name of the second service to initiate connection.

1 16. A method comprising:

2 Receiving a query;

3 Sending a response to the query, the response including a set of records of  
4 available services, each record of the set including a service name and a virtual  
5 communication port.

1 17. The method of claim 16 wherein:

2 The query is received as a Bluetooth protocol SDP request and the response is  
3 sent as an SDP response.

1 18. The method further comprising:

2 Connecting a first service of the available services to a remote device based on  
3 a service name of the first service supplied by the remote device.

1 19. The method further comprising:

2 Connecting a second service of the available services to a remote device based  
3 on a service name of the second service supplied by the remote device.

1 20. An apparatus comprising:

2 means for receiving a query; and

3 means for sending a response to the query, the response including a set of  
4 records of available services, each record of the set including a service name and a  
5 virtual communication port.

1 21. The apparatus of claim 20 wherein:

2 The query is received as a Bluetooth protocol SDP request and the response is  
3 sent as an SDP response.

1 22. The apparatus of claim 21 further comprising:

2 means for connecting a service of the available services to a remote device

3 based on a service name of the service supplied by the remote device.

1 23. A system comprising:

2 a processor;

3 a control hub coupled to the processor;

4 an I/O interface coupled to the control hub;

5 wherein: the processor, control hub, and I/O interface are collectively configured

6 to:

7 Receive a query; and

8 Send a response to the query, the response including a set of records of  
9 available services, each record of the set including a service name and a virtual  
10 communication port.

1 24. The system of claim 23 wherein:

2 the I/O interface includes a Bluetooth interface; and

3 The query is received as a Bluetooth protocol SDP request and the response is  
4 sent as an SDP response.

1           25. The system of claim 24 wherein the processor, control hub, and I/O interface  
2           are further configured to connect a service of the available services to a remote device  
3           based on a service name of the service supplied by the remote device.

1           26. A machine-readable medium embodying instructions, the instructions, when  
2           executed by a processor, causing the processor to perform a method, the method  
3           comprising:

4           Receiving a query;

5           Sending a response to the query, the response including a set of records of  
6           available services, each record of the set including a service name and a virtual  
7           communication port.

1           27. The machine-readable medium of claim 26 further embodying instructions,  
2           the instructions, when executed by a processor, causing the processor to perform a  
3           method wherein:

4           The query is received as a Bluetooth protocol SDP request and the response is  
5           sent as an SDP response.

1           28. The machine-readable medium of claim 27 further embodying instructions,  
2           the instructions, when executed by a processor, causing the processor to perform a  
3           method further comprising:

4           Connecting a first service of the available services to a remote device based on  
5           a service name of the first service supplied by the remote device.

1           29. The machine-readable medium of claim 28 further embodying instructions,  
2           the instructions, when executed by a processor, causing the processor to perform a  
3           method further comprising:

4           Connecting a first service of the available services to a remote device based on  
5           a service name of the first service supplied by the remote device.